Producers & Processors Of
Fullers Earth
Bentonite
Rock Dust
Custom Milling
Western Sea Coal

W WESTERN clay company

P. O. Box 1067
Aurora, Utah 84620

Office: (801) 529-3281
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File
ACT/041/012

Copy to Tom P.
Wayne, Sue, Cy
JWS
6-6-83

May 31, 1983

State of Utah
Division of Oil Gas & Mining
4241 State Office Bldg.
Salt Lake City, UT 84114
Attn: James W. Smith Jr.

RE: Permitting Redmond Benonite Pit
ACT/041/012

Dear Mr. Smith:

Enclosed is the reply to the deficiencies in the initial submittal of the M.R.P. for this operation. I have certainly appreciated the cooperation of the personnel in your department in this matter.

Sincerely,

Thomas E. Robison
General Manager

TER/lr

TITLE 40-8-18 (1)-(TLP)

Western Clay Co. will notify the Division of Oil Gas & Mining at least sixty (60) days prior to expanding the operation beyond its present limits.

TITLE 40-8-13 (1)-(DWH)

Evidence of insurance will be forwarded directly to Mr. James W. Smith by Western Clay Company's Insurance Co.

The notation on page 1 of form MR-1#4 listing the area as T 2S is a typographical error. The operation is T 21S.

Upon suggestion by DOGM personnel. It has been decided to request reducing the bonding period to 5 years.

MR-1, page 7 of 12 (#22C)

Appropriate warning signs will be posted near dangerous highwalls.

Rule M-10 (11) sediment control - (DWH)

After samples have been analyzed prior to the next pumping program, a sediment control pond will be constructed if the samples indicate it be necessary.

The landowner affected by the discharged water will be contacted to obtain written consent for the use of discharged water.

If erosion to haul roads becomes evident, supplemental sediment control methods will be employed.

Rule M-3 (2) (E) - SCL

A mixture of 50% crested wheatgrass, 37% pubescent wheatgrass and 13% yellow sweet clover will be broadcast and hand raked into the stockpiles at the rate of 20lb P.L.S. per acre. Seeding will be done in the late fall.

Soil samples are being analyzed and necessary fertilizer will be applied to insure successful revegetation.

Sand dropseed will be decreased to 1lb/acre in the revegetation seed mix.

Rule M-3 (12)-(SCL)

As was stated in the initial submittal, due to the uncertainty of the Bentonite market and the uncertain extent of the Bentonite deposits at any one site, an accurate timetable for reclamation, either interim or final is impossible to state. When it has been determined that the economically recoverable Bentonite has been mined from an active area, reclamation will begin immediately. Re-contouring will certainly not

take more than 30 days and surface preparation, topsoil redistribution, re-seeding etc. should not take more than an additional 30 days. This entire procedure is expected to be accomplished in late summer or early fall of the year an area is "mined out".

Rule M-10 (IL)-(SCL)

Monitoring will be done via a Pace Transect annually. This will be done in June or July.

M-10 (14)-(TLP)

The area mentioned in item 15.A(2) has been stripped. The topsoil volume was figured this way. Given topsoil depth 8" or .67 ft. 1 acre = 43560 ft^2 3 acres involved.

3 acres X 43560 ft^2/acre = 130680 ft^2 X .67 ft ave. topsoil depth = 87555 ft^3 topsoil ÷ 27 ft^3/yd^3 - 3243 yd^3 topsoil.

See attached map addressing topsoil drainage protection.

Soil will be redistributed in the fall.

Fertilizer will be added if soil tests so indicate. The application rate will be determined by soil test data.

M-3 (2)(D)-(TLP)

If test plots indicate the necessity, anproximately 3" of topsoil will be applied to the clay surface and disced in to form a less slippage prone surface. The remaining topsoil will then be re-distributed and reclamation will proceed as previously outlined.

M-10 (5)-(TLP)

The area at the extreme back of active area #1 (see attached map) will be an area where highwall elimination will be economically not feasible due to the fact that the pit is progressing almost directly into a very steep hillside. The hillside is too steep for even a bulldozer to work. To eliminate this highwall would require tearing up much additional ground and importing backfill thus eliminating the ecomonics of even mining the area.

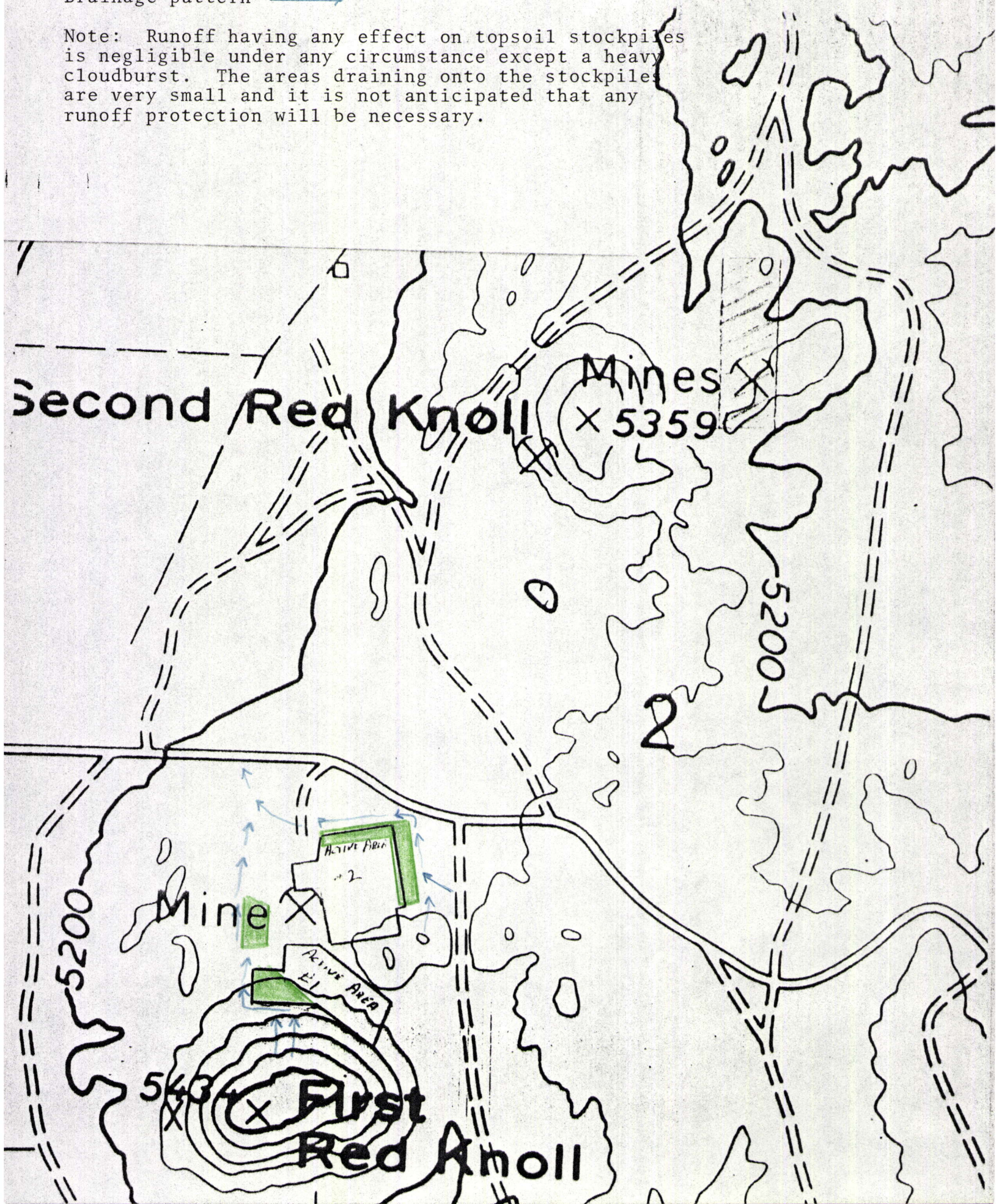
Terracing (see attached map) will be attempted along some of teh south-side of active area #1. The terraces are anticipated to be of minimum width attainable using a small bulldozer (approx 10 to 12') and at a vertical spacing of approx. 15 to 20'.

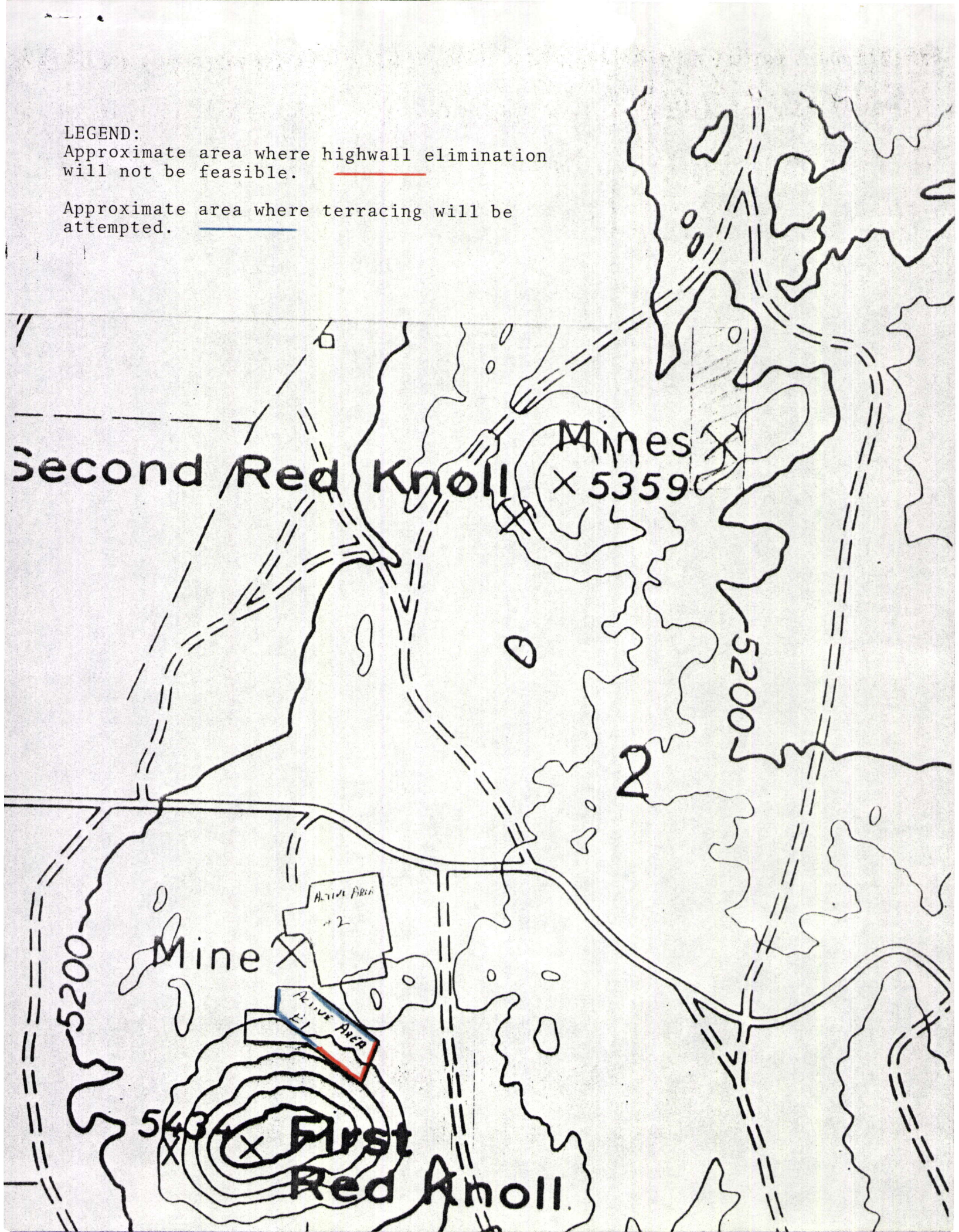
M-10 (3), (4) and (5) - (CJY)

When it appears an area is nearly "mined out", the town of Redmond, UTAH will be contacted regarding the use of the area as a sanitary landfill site. If other waste disposal opportunities arise they will be considered also.

LEGEND:
Topsoil storage areas
Drainage pattern →

Note: Runoff having any effect on topsoil stockpiles is negligible under any circumstance except a heavy cloudburst. The areas draining onto the stockpiles are very small and it is not anticipated that any runoff protection will be necessary.




LEGEND:
Approximate area where highwall elimination will not be feasible.
Approximate area where terracing will be attempted.
Second Red Knoll
Mines
5359
5200
2
Mine
5200
Active Area #2
Active Area #1
543
First Red Knoll